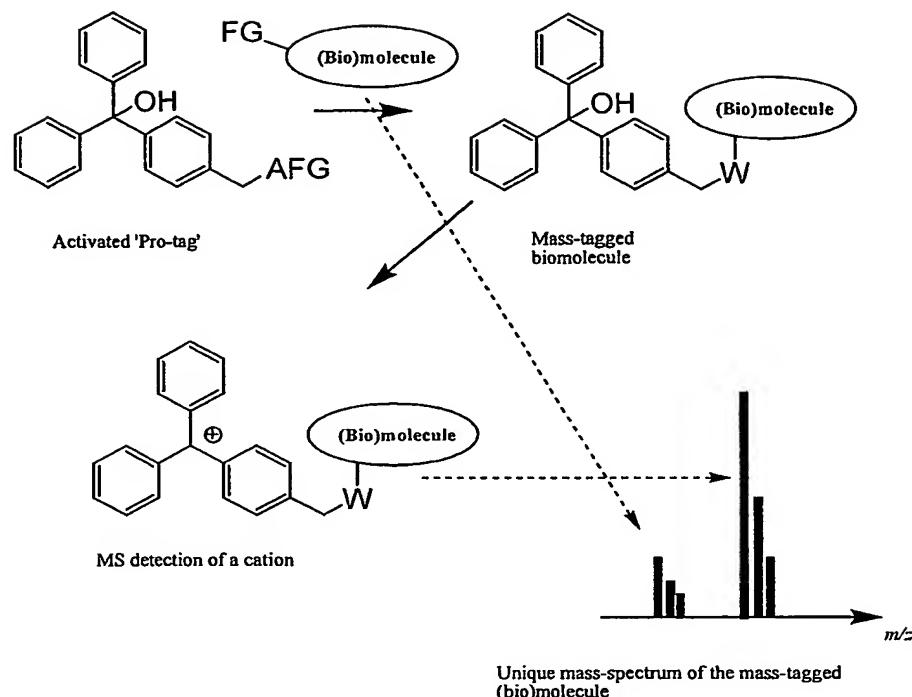


Figure 1

## Trityl Tagging



AFG, activated functional group, i.e. NHS or maleimido

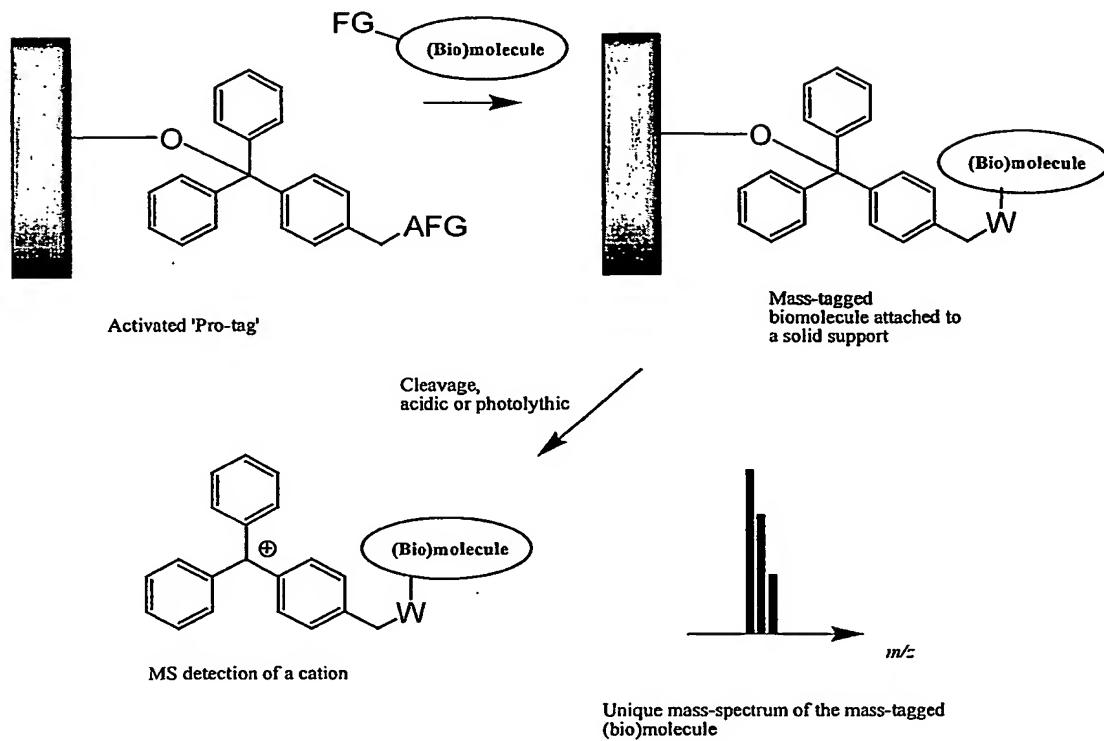
FG, functional group, i.e.  $\text{NH}_2$  or  $\text{SH}$

W, a bond between AFG and FG

(Bio)molecule, a molecule to be analysed, i.e. a peptide

Figure 2

## Trityl Enhancer Tagging on Solid Support

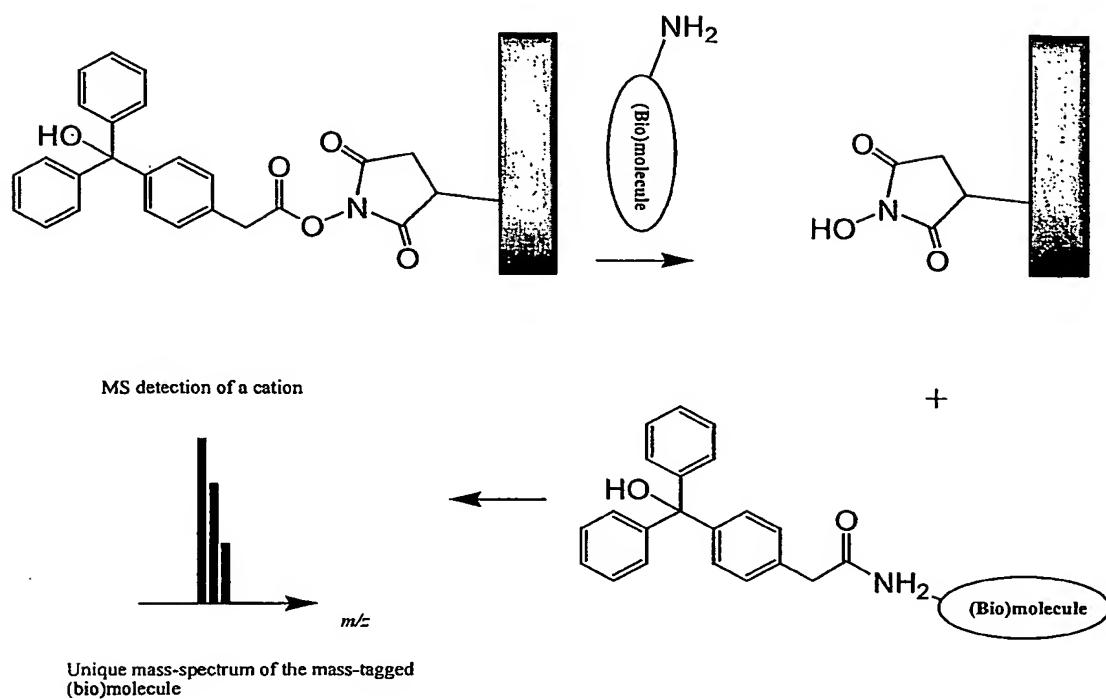


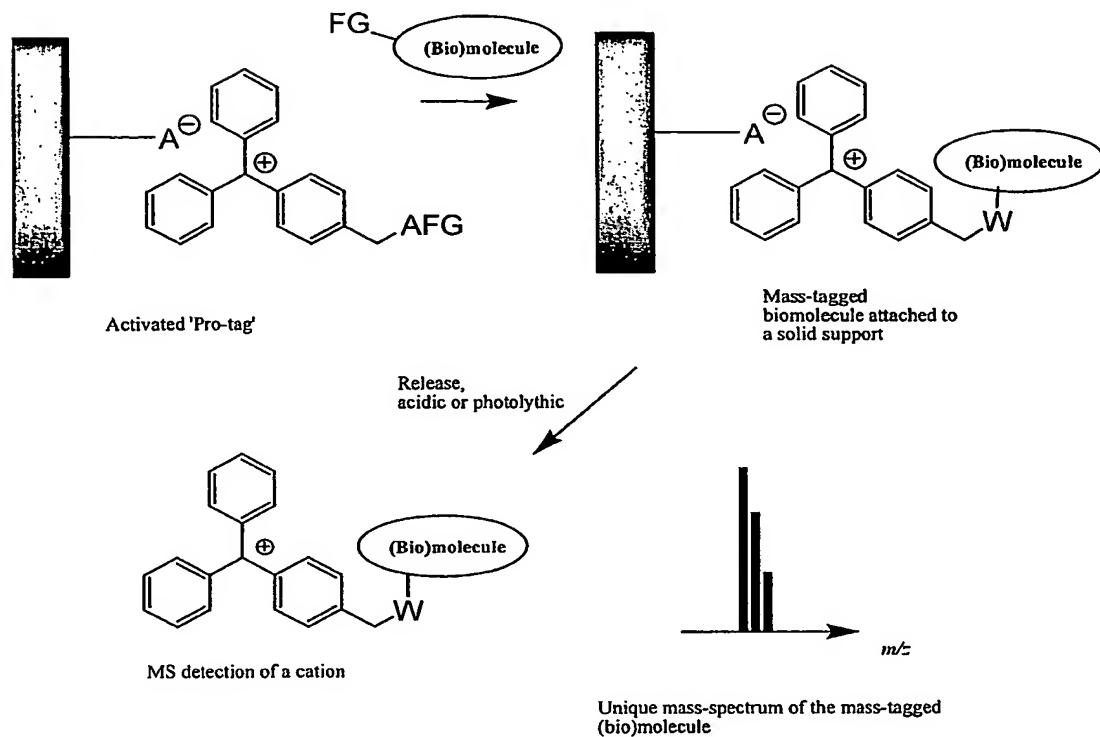
AFG, activated functional group, i.e. NHS or maleimido

FG, functional group, i.e.  $\text{NH}_2$  or  $\text{SH}$

W, a bond between AFG and FG

(Bio)molecule, a molecule to be analysed, i.e. a peptide

*Figure 3***Reverse Trityl Enhancer Tagging on Solid Support**

**Figure 4****Trityl Enhancer Tagging on Solid Support 2**

AFG, activated functional group, i.e. NHS or maleimido

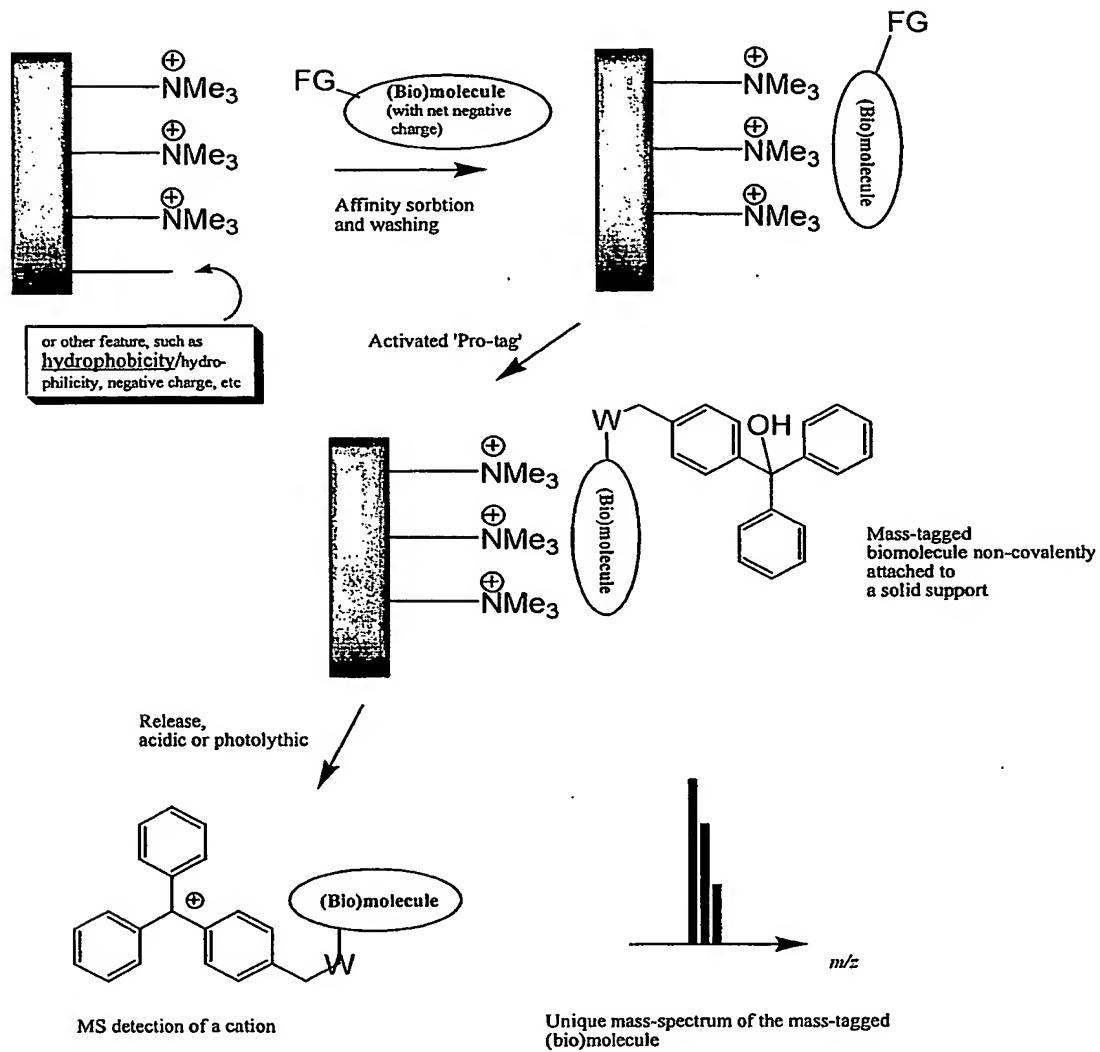
FG, functional group, i.e. NH<sub>2</sub> or SH

W, a bond between AFG and FG

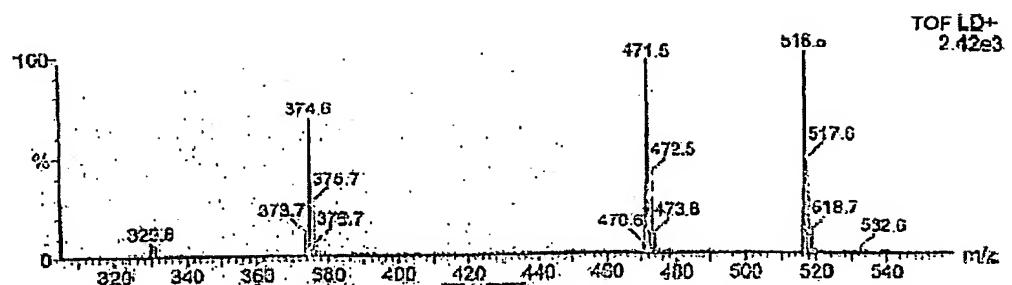
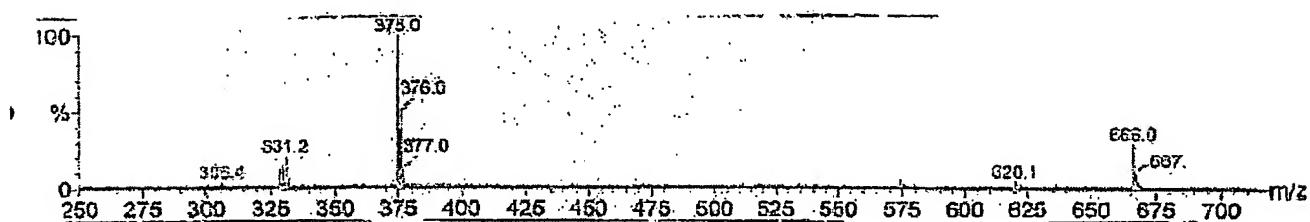
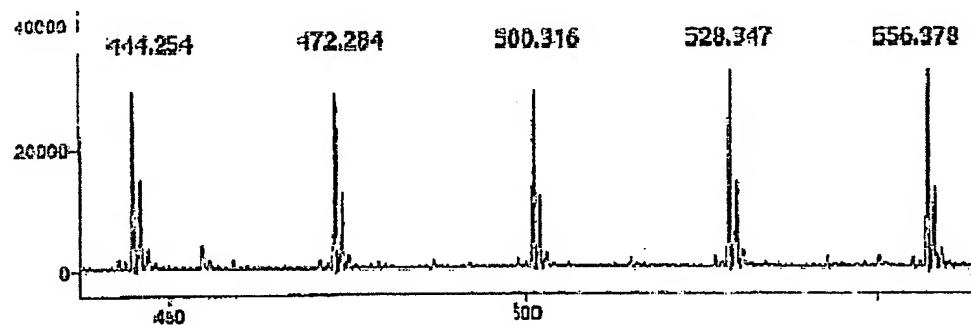
(Bio)molecule, a molecule to be analysed, i.e. a peptide

Figure 5

## Solid Support-Assisted Trityl Enhancer Tagging



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*Figure 6**Figure 7**Figure 9*

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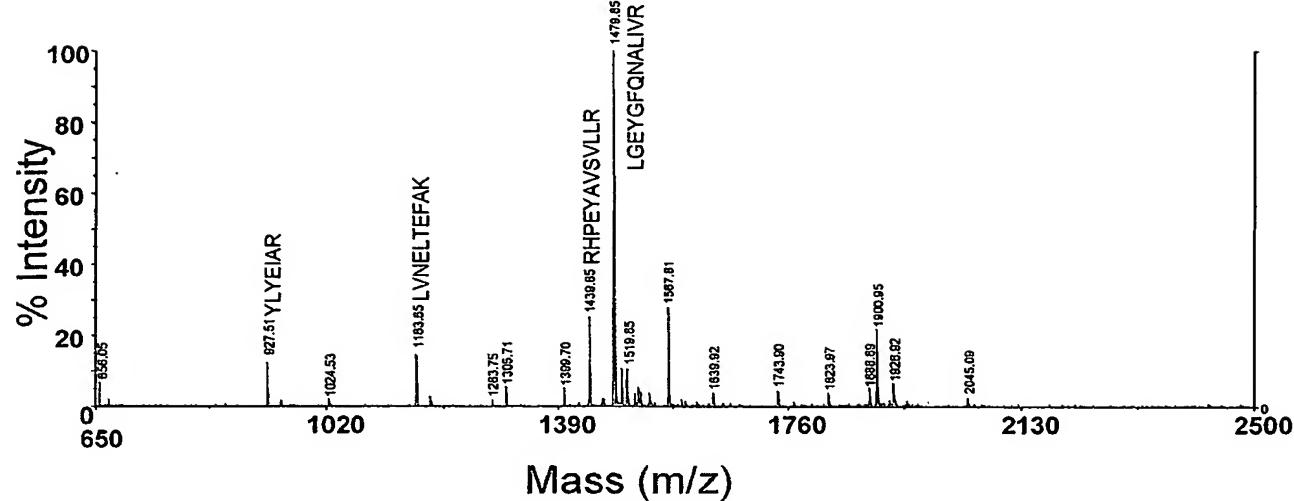
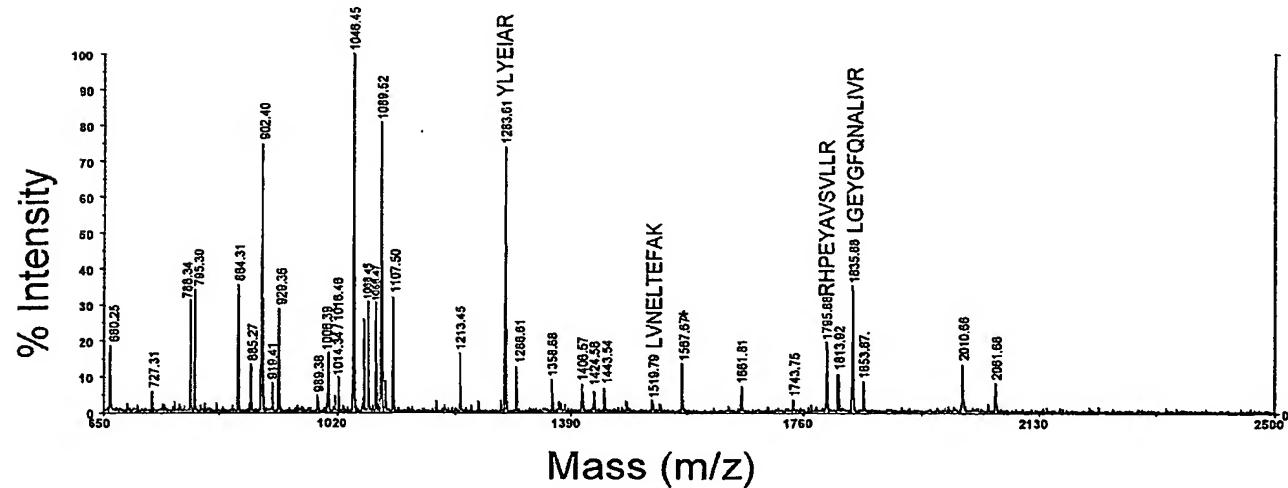
*Figure 8**Figure 8A**Figure 8B*

Figure 10A

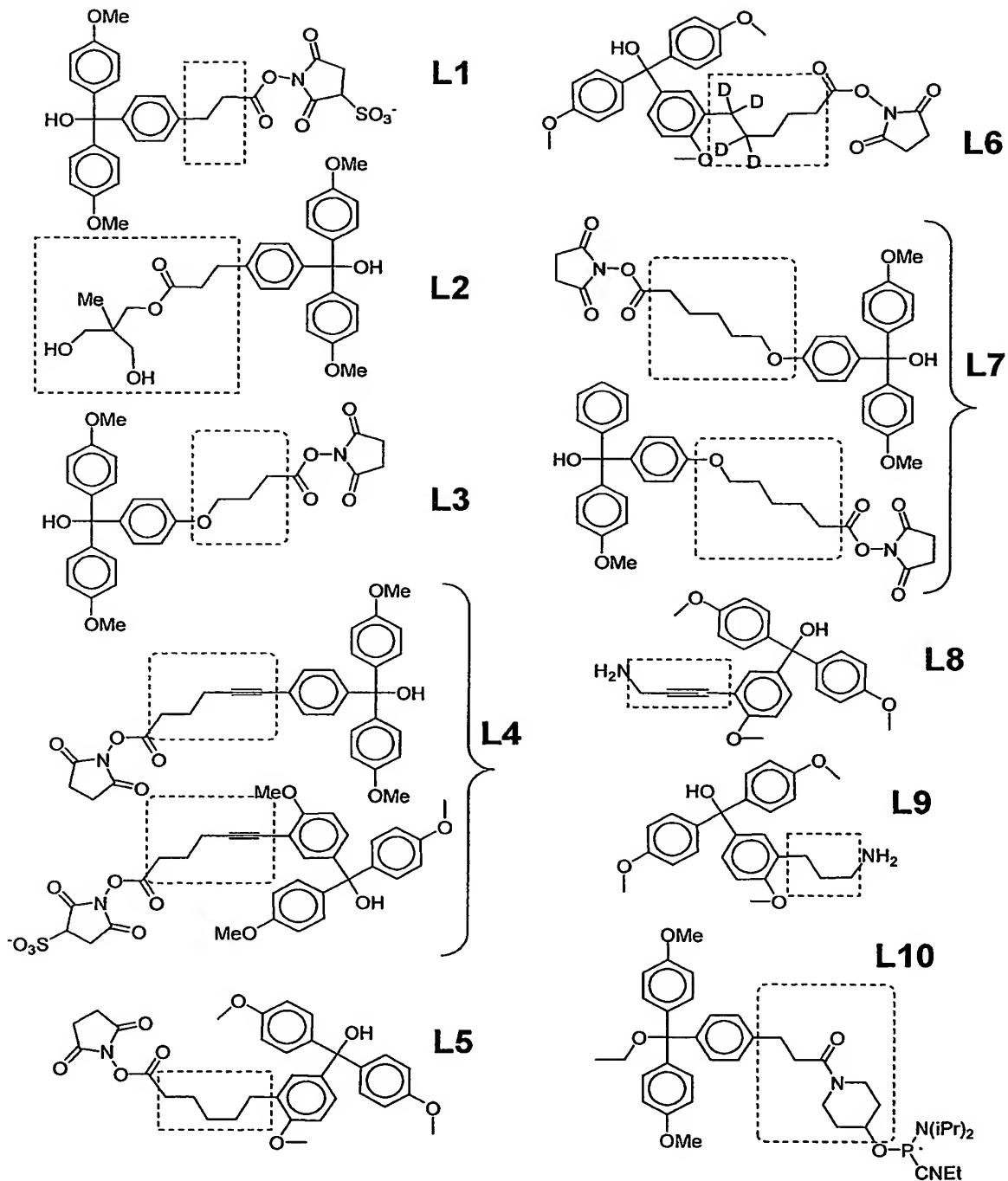


Figure 10B

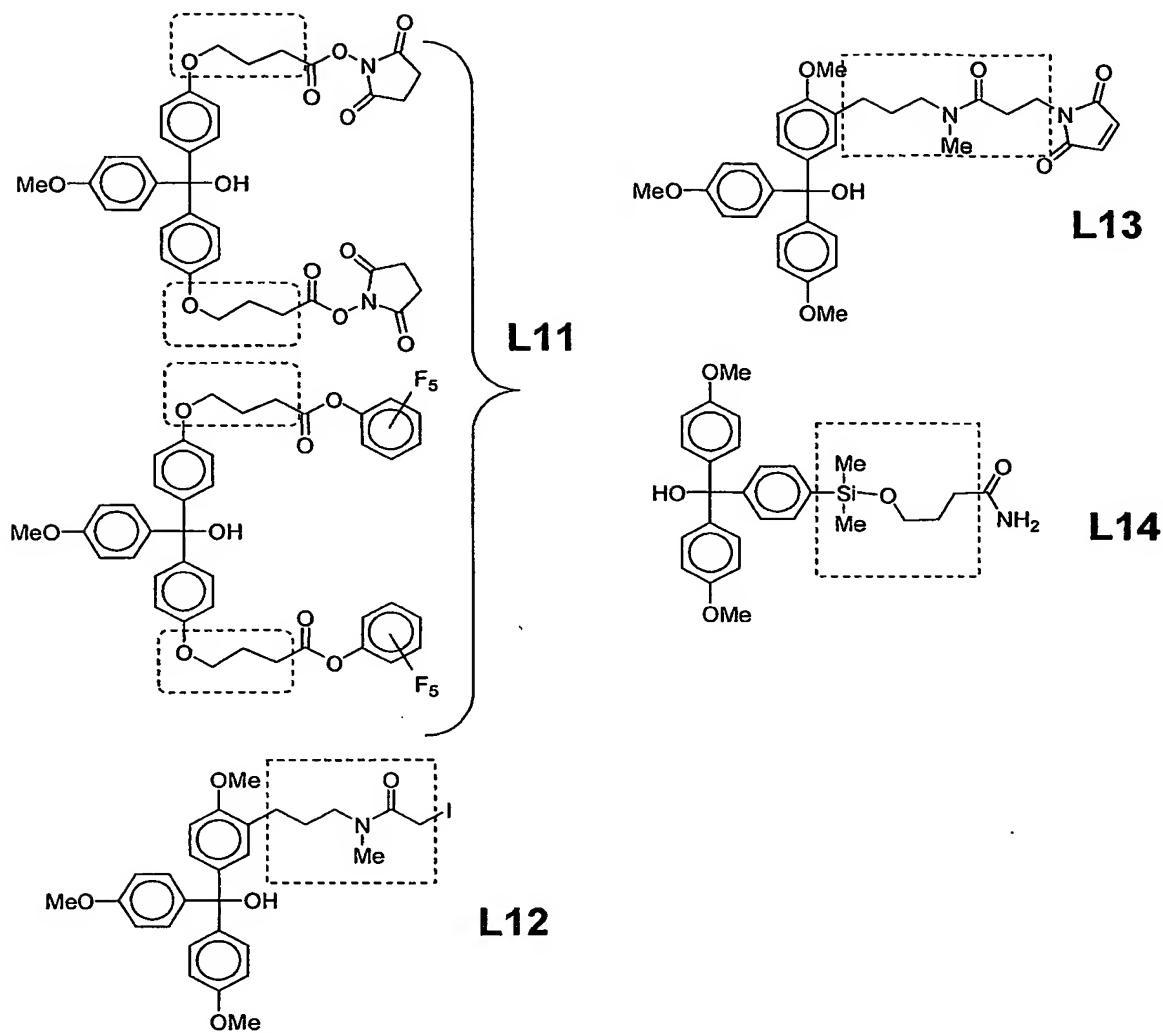


Figure 11A

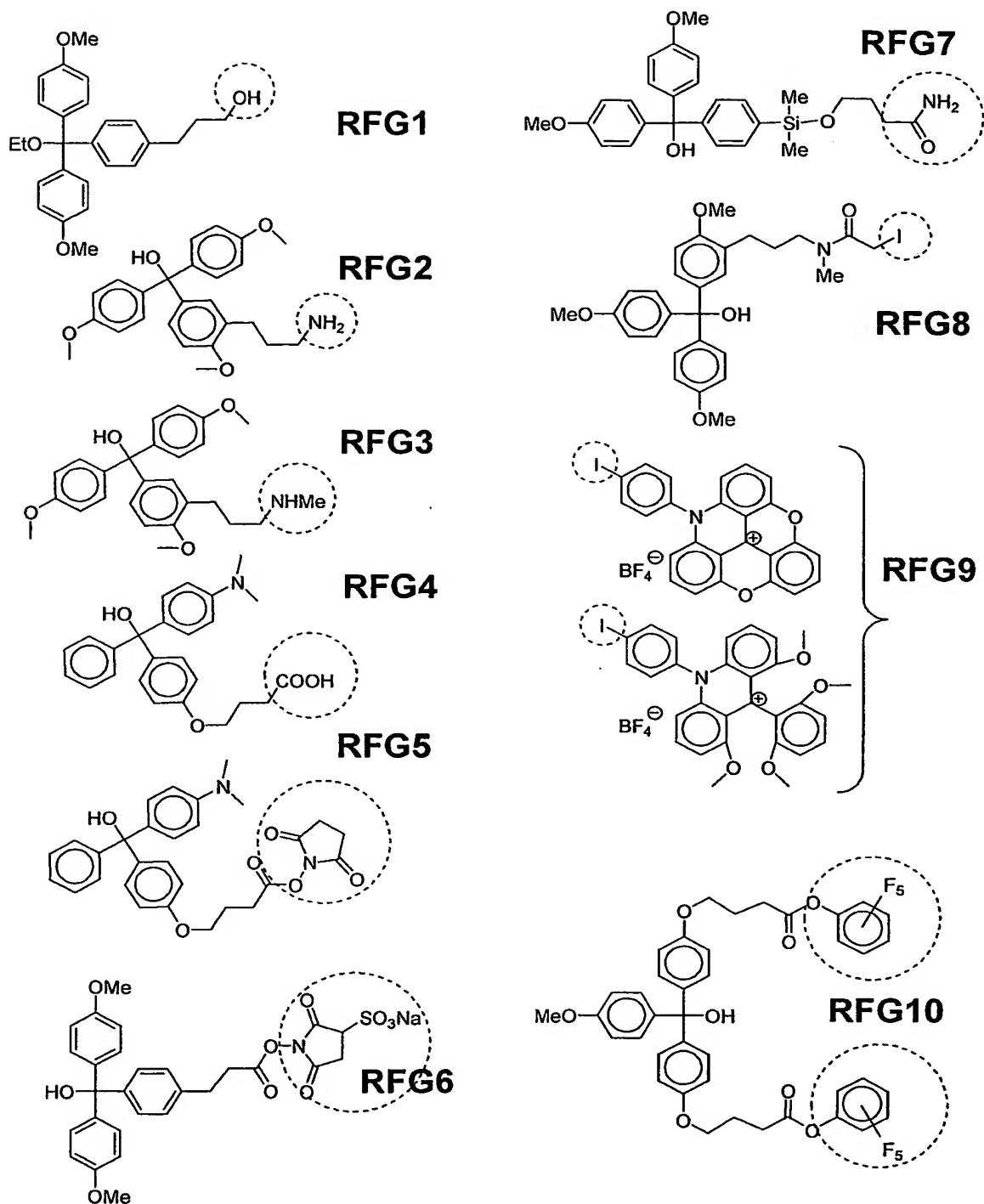


Figure 11B

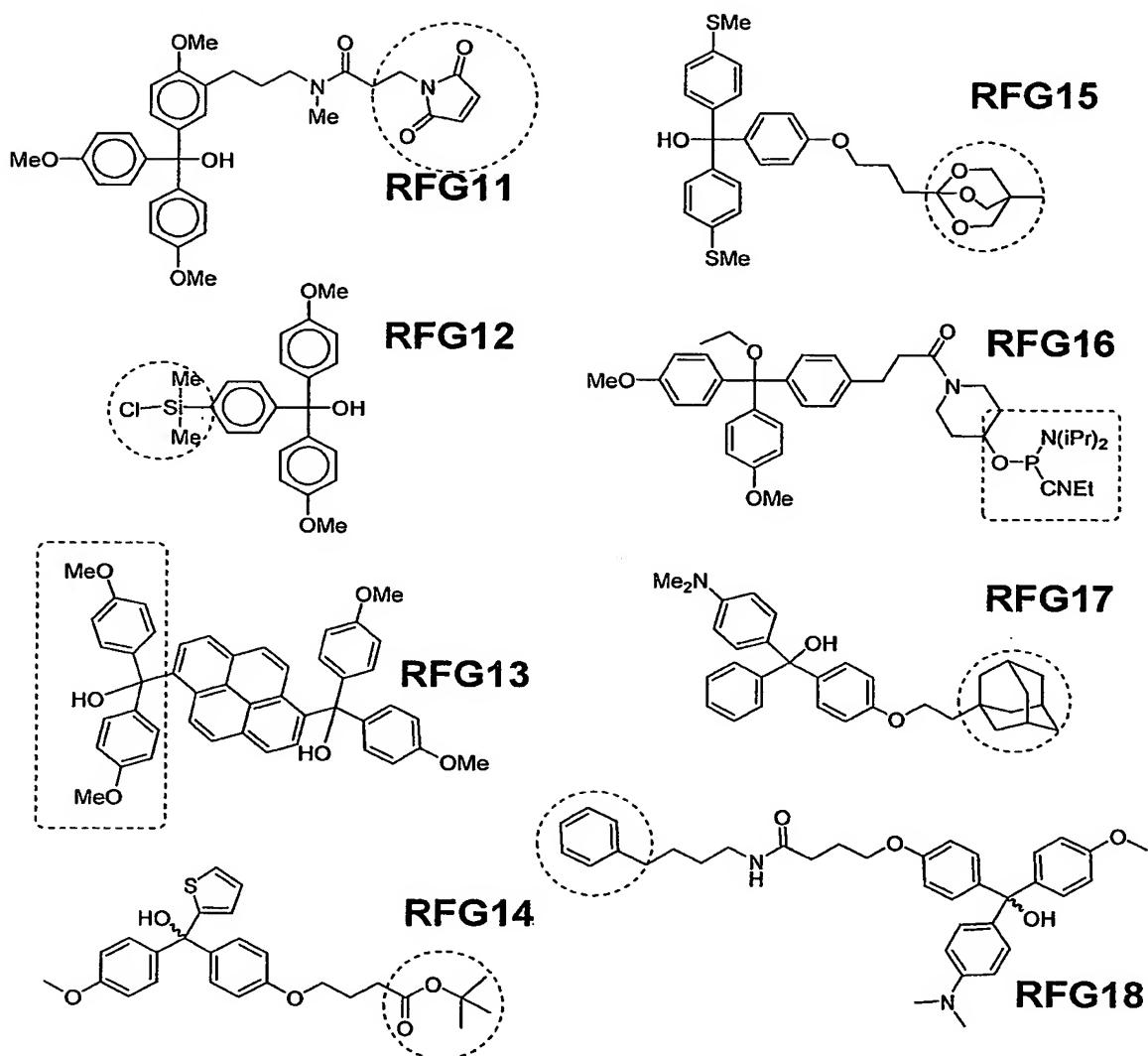


Figure 12A

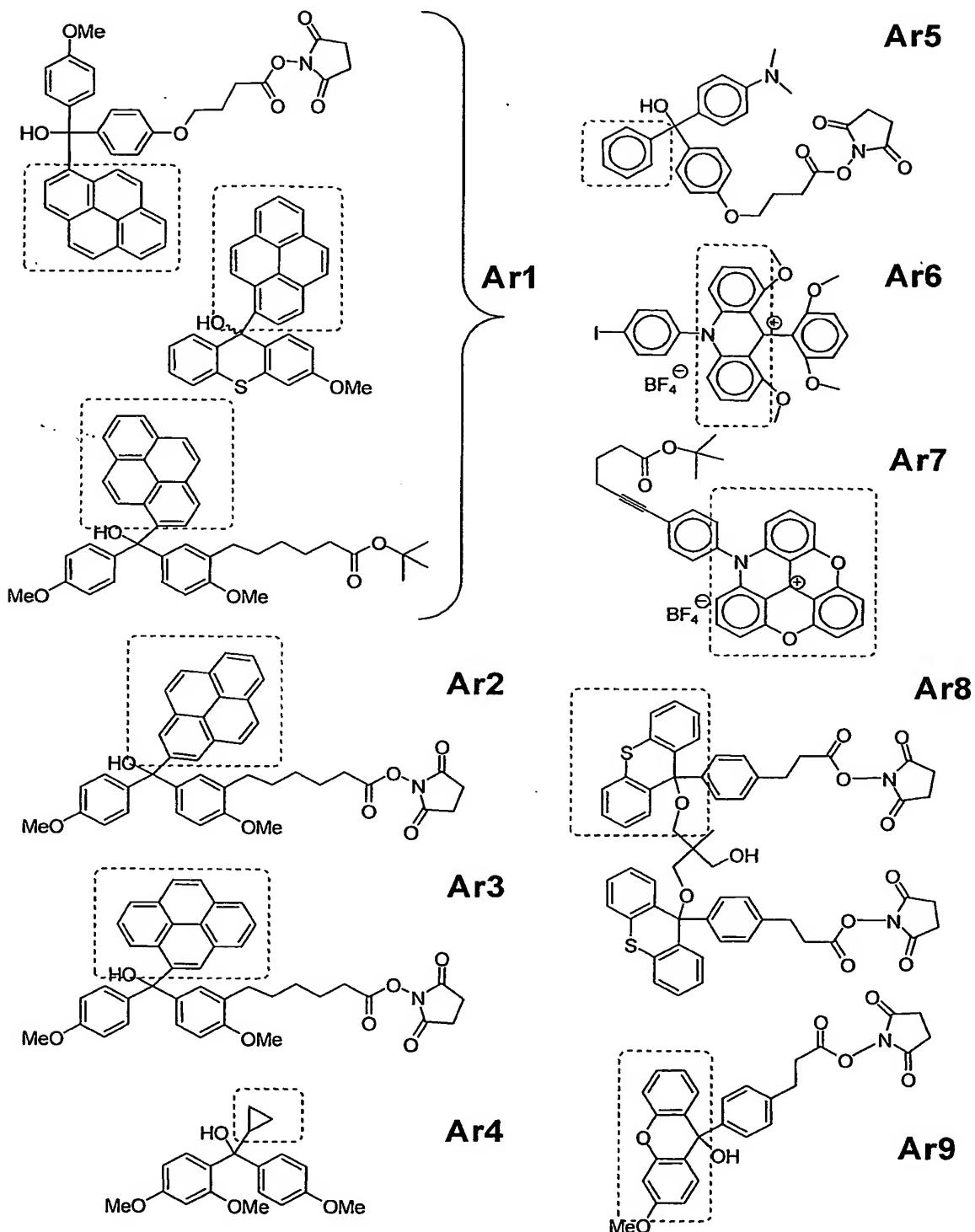


Figure 12B

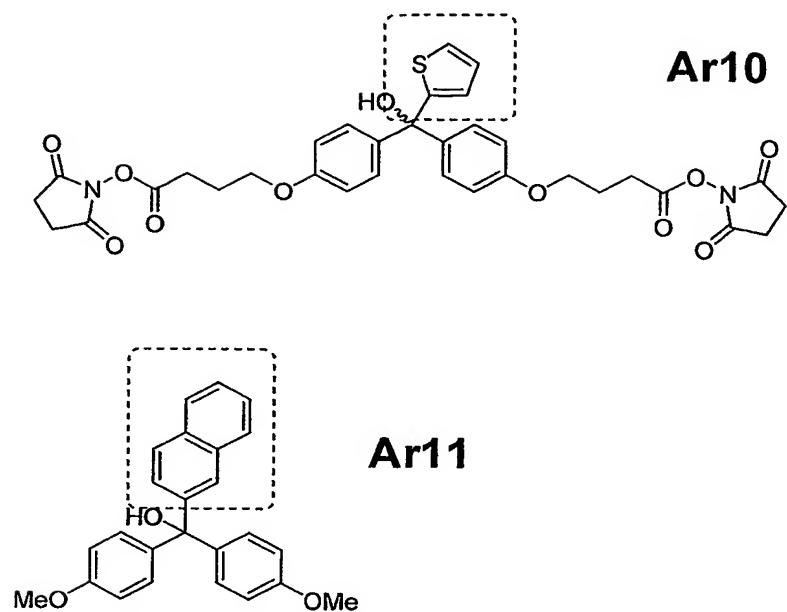


Figure 13

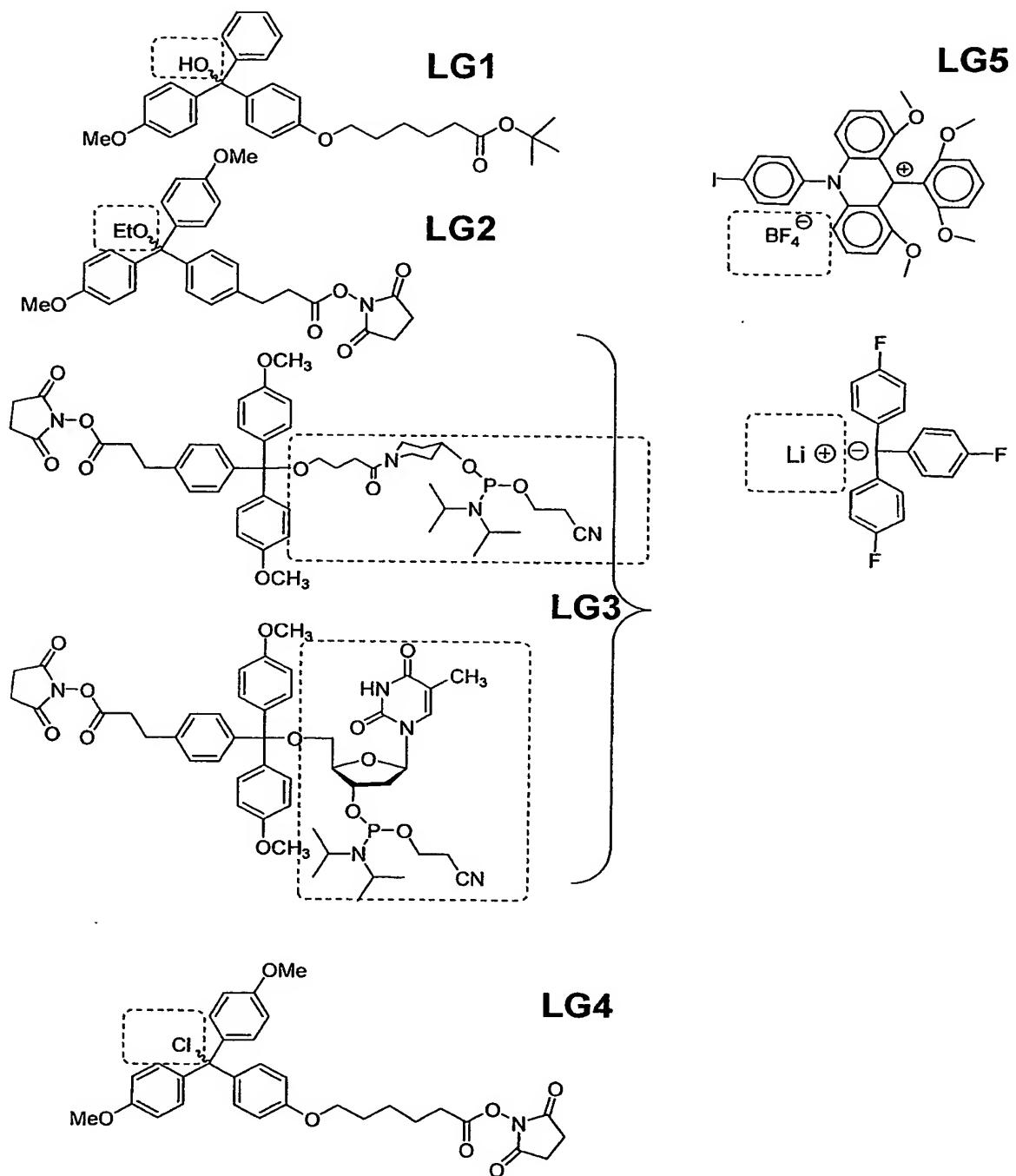
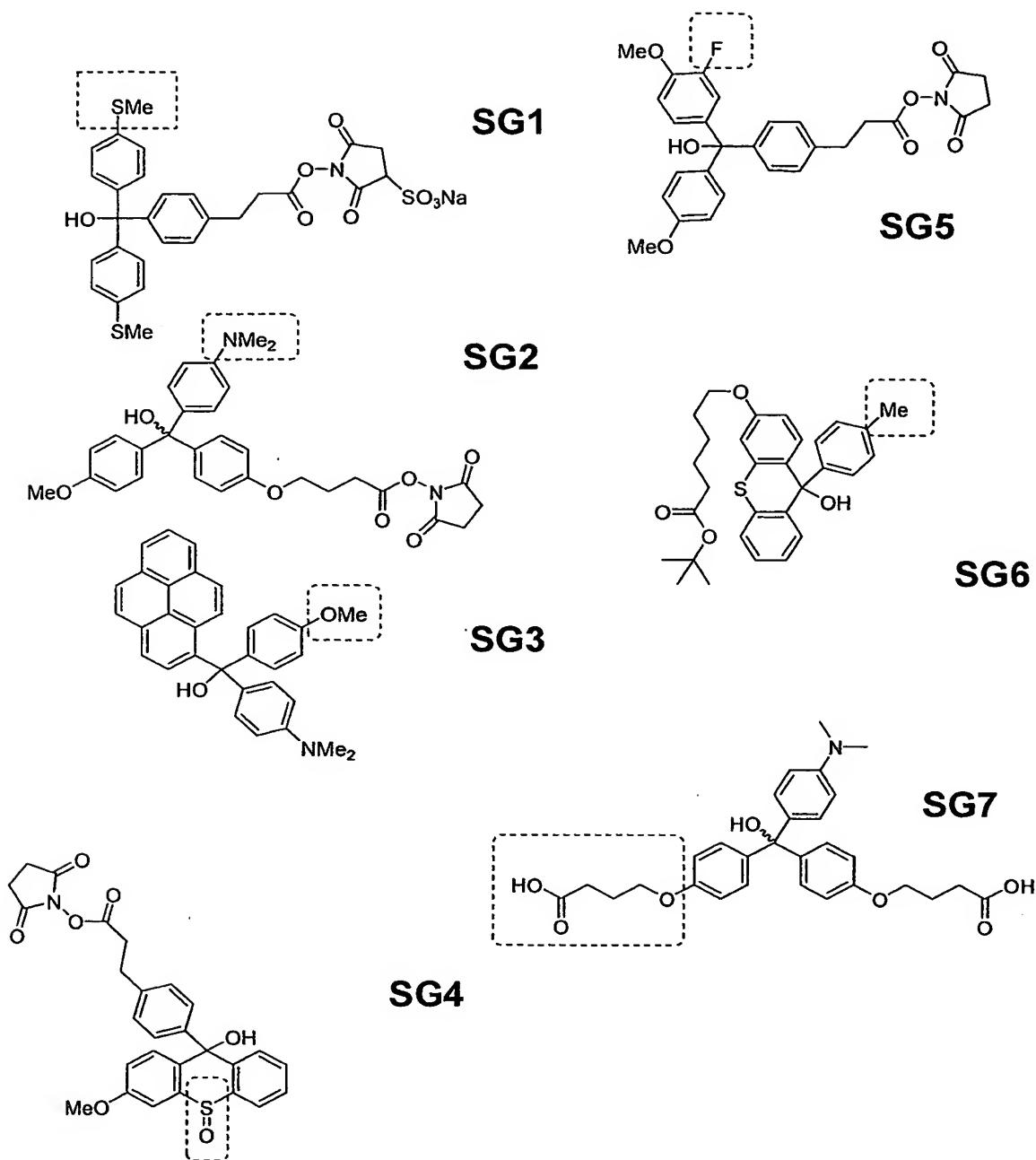


Figure 14



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